

FIG. 1

FIG. 1

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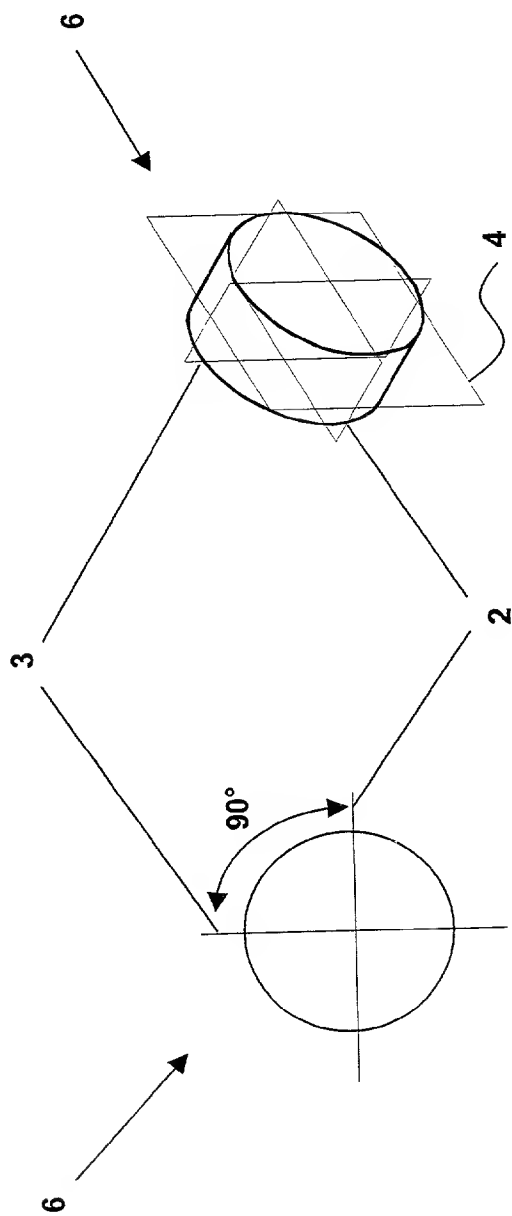


FIG. 2

DP-301830

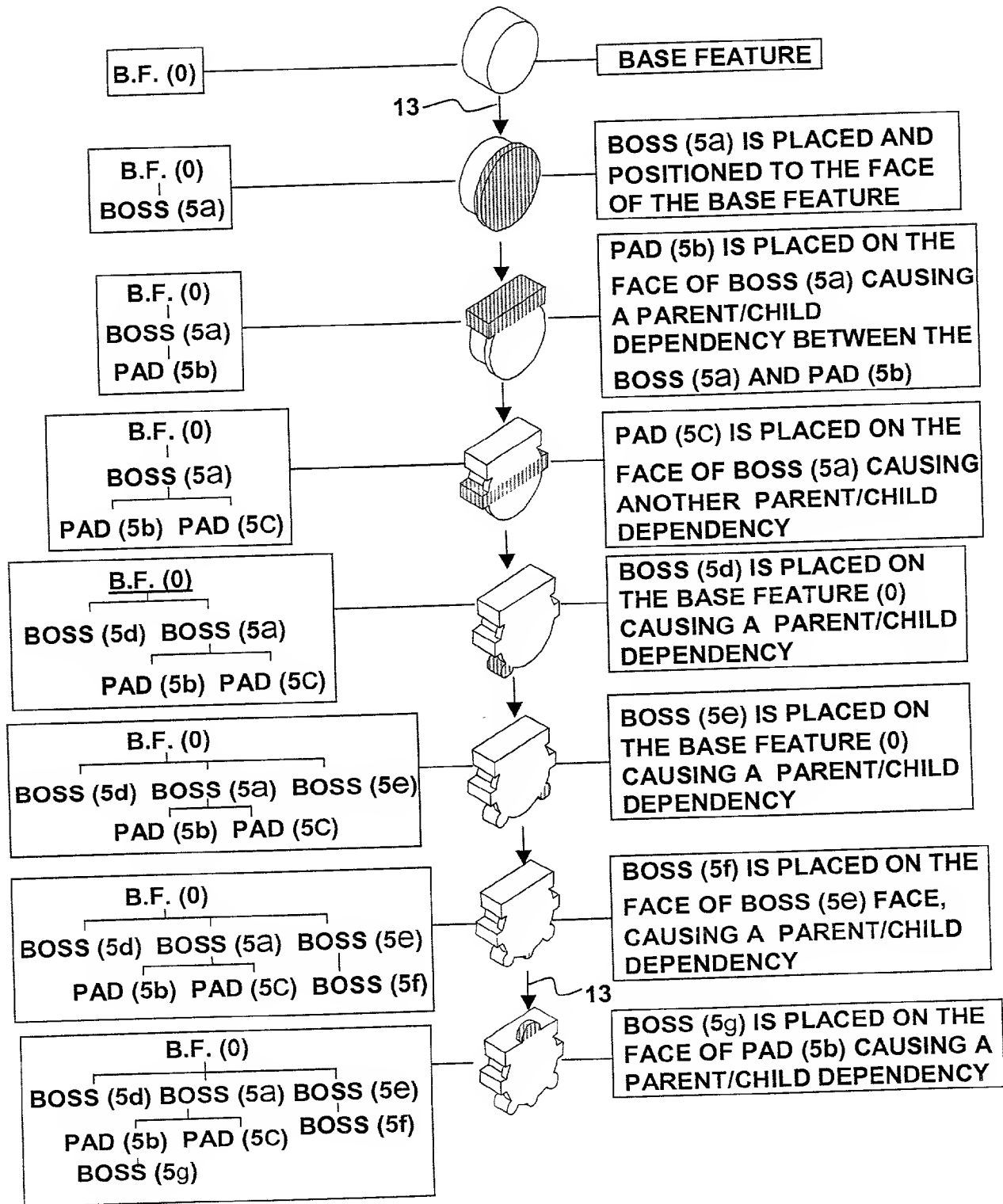


FIG. 3

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FIG. 4

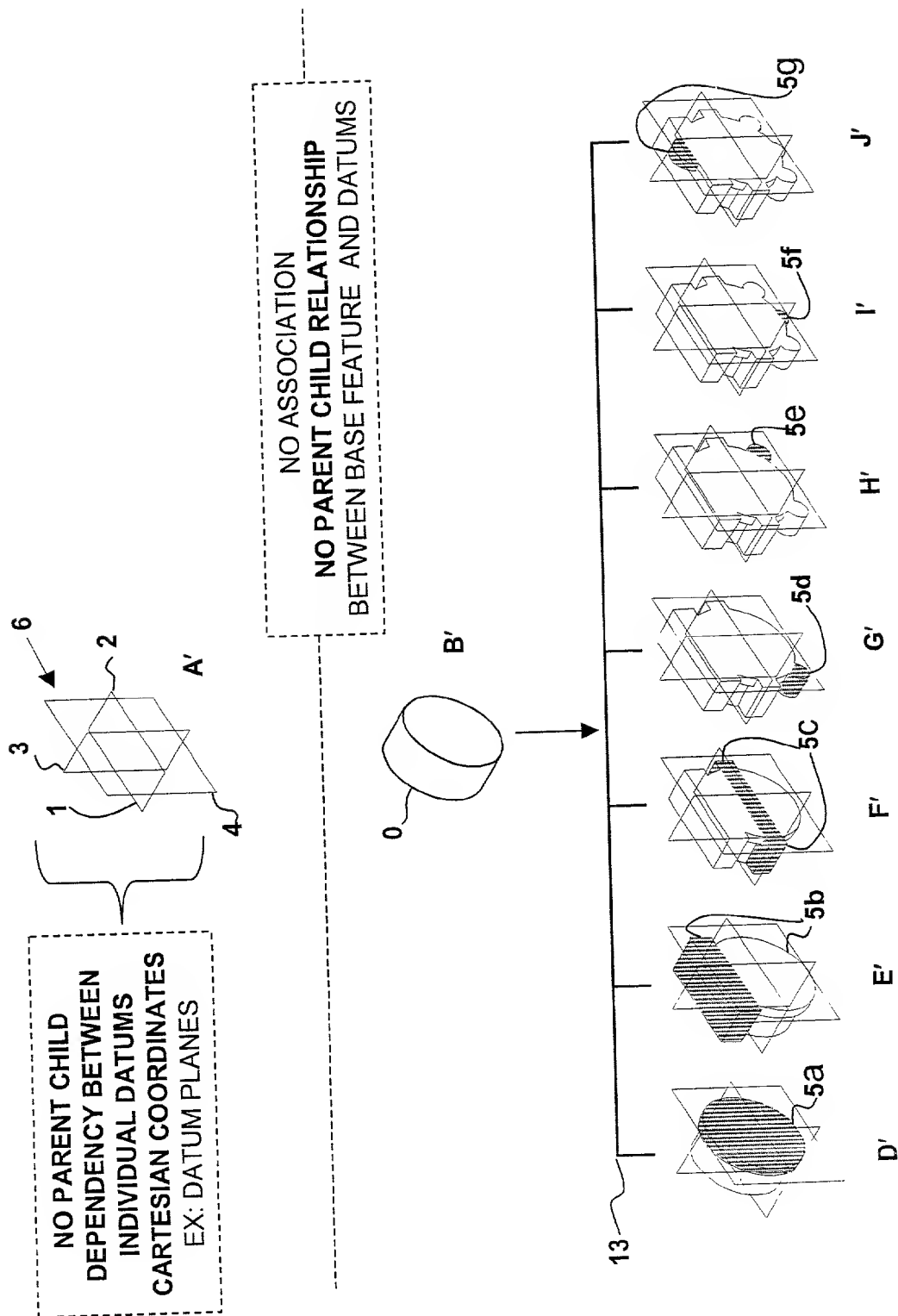
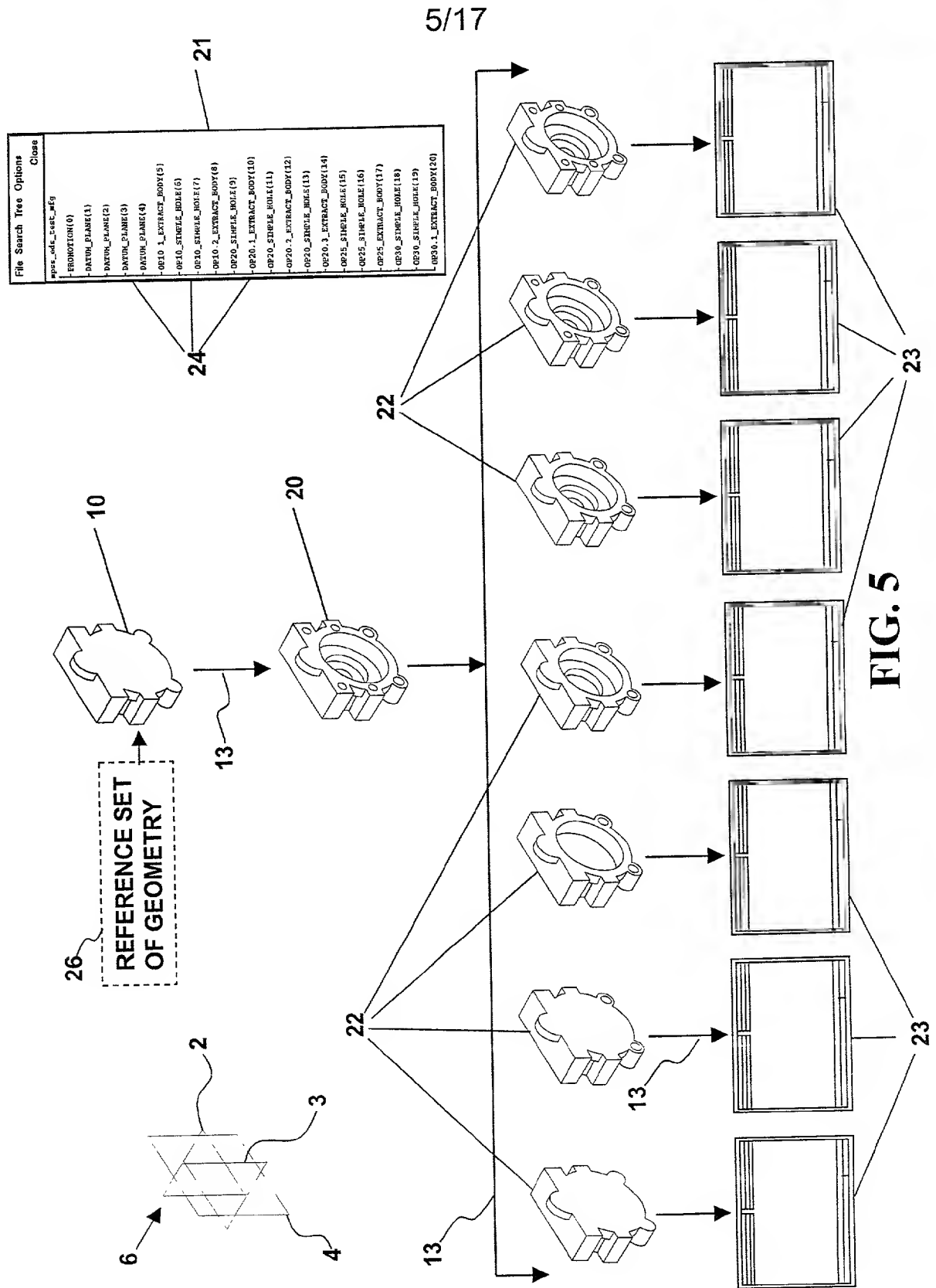


FIG. 4



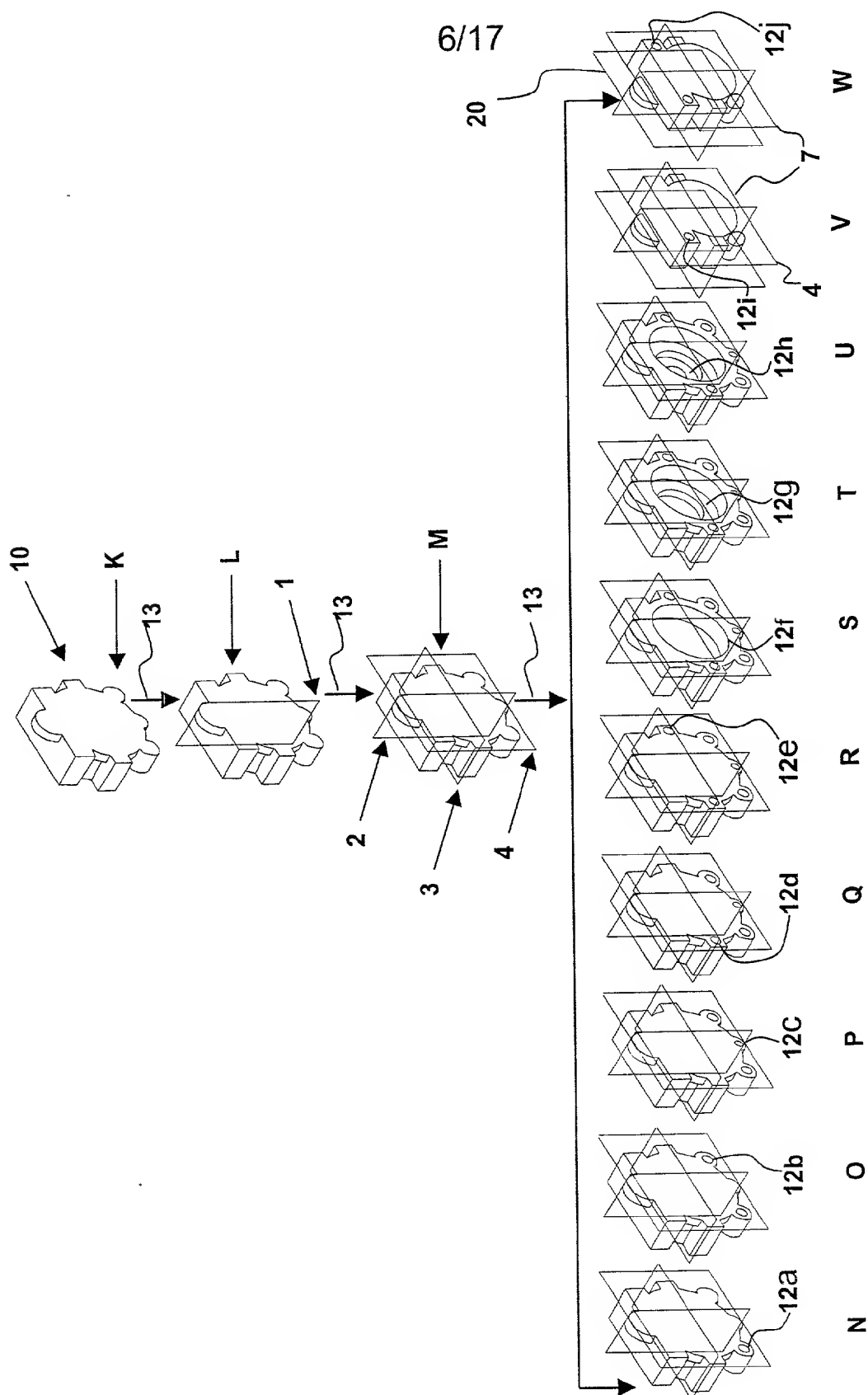


FIG. 6

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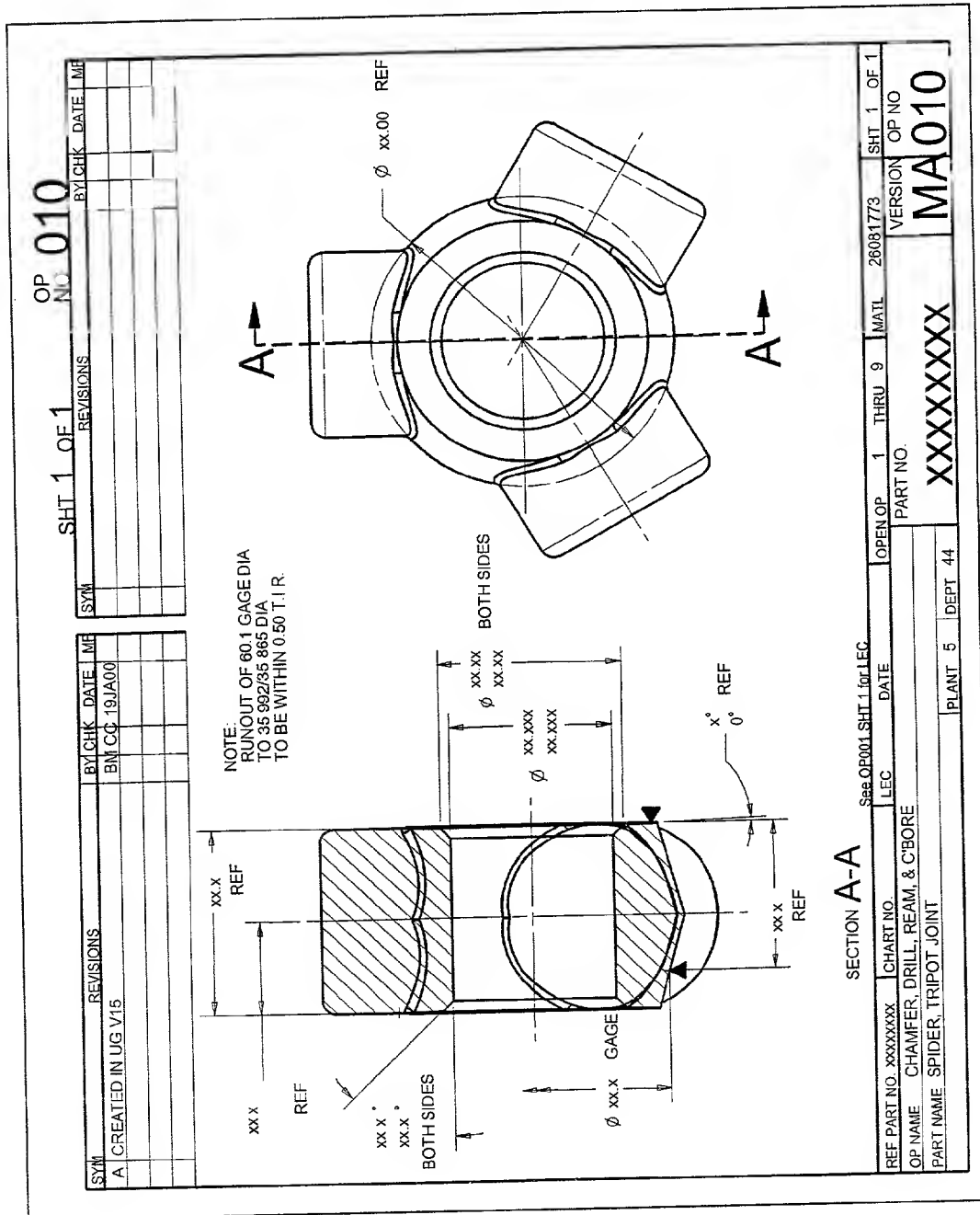
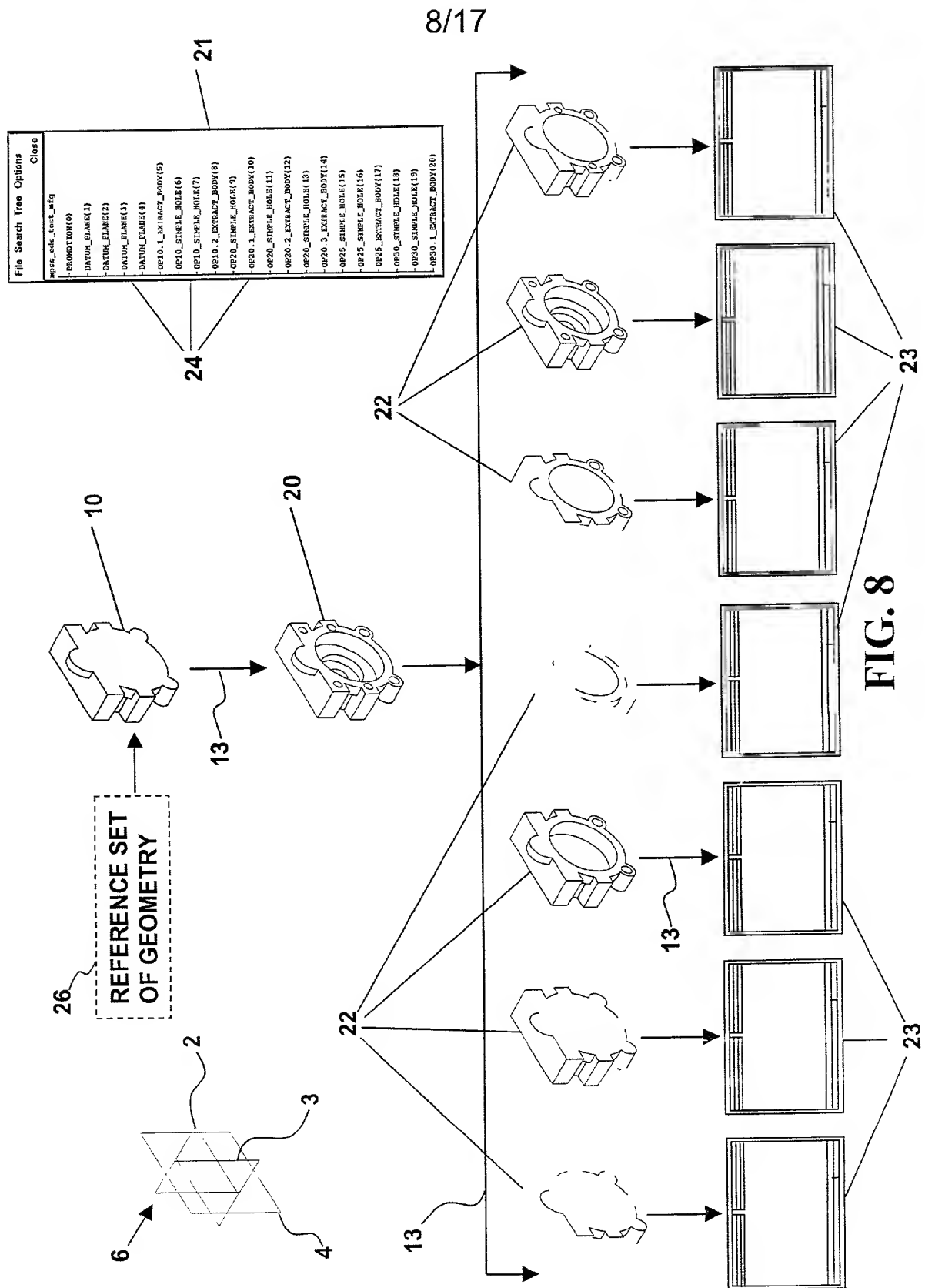


FIG. 8



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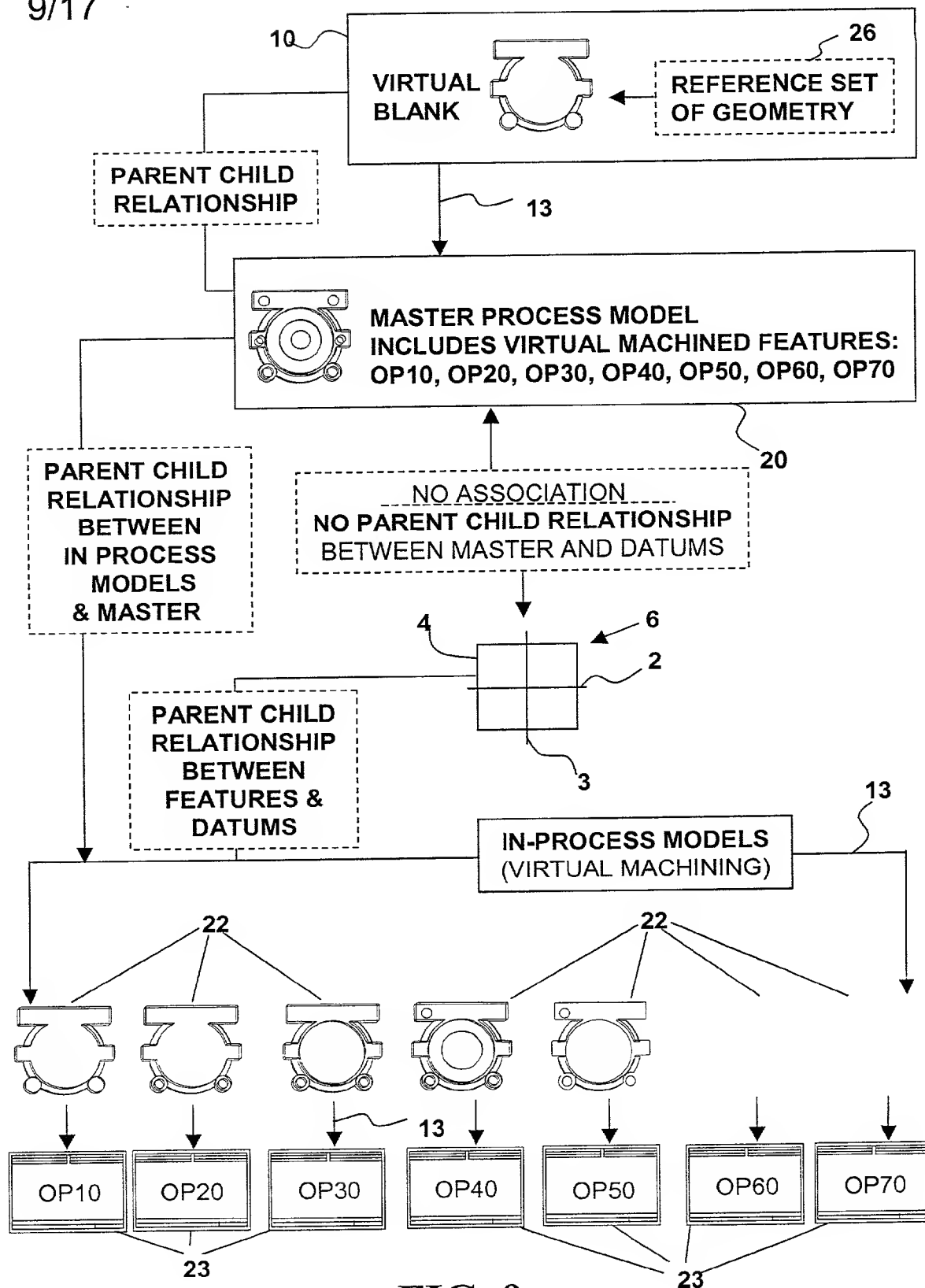


FIG. 9

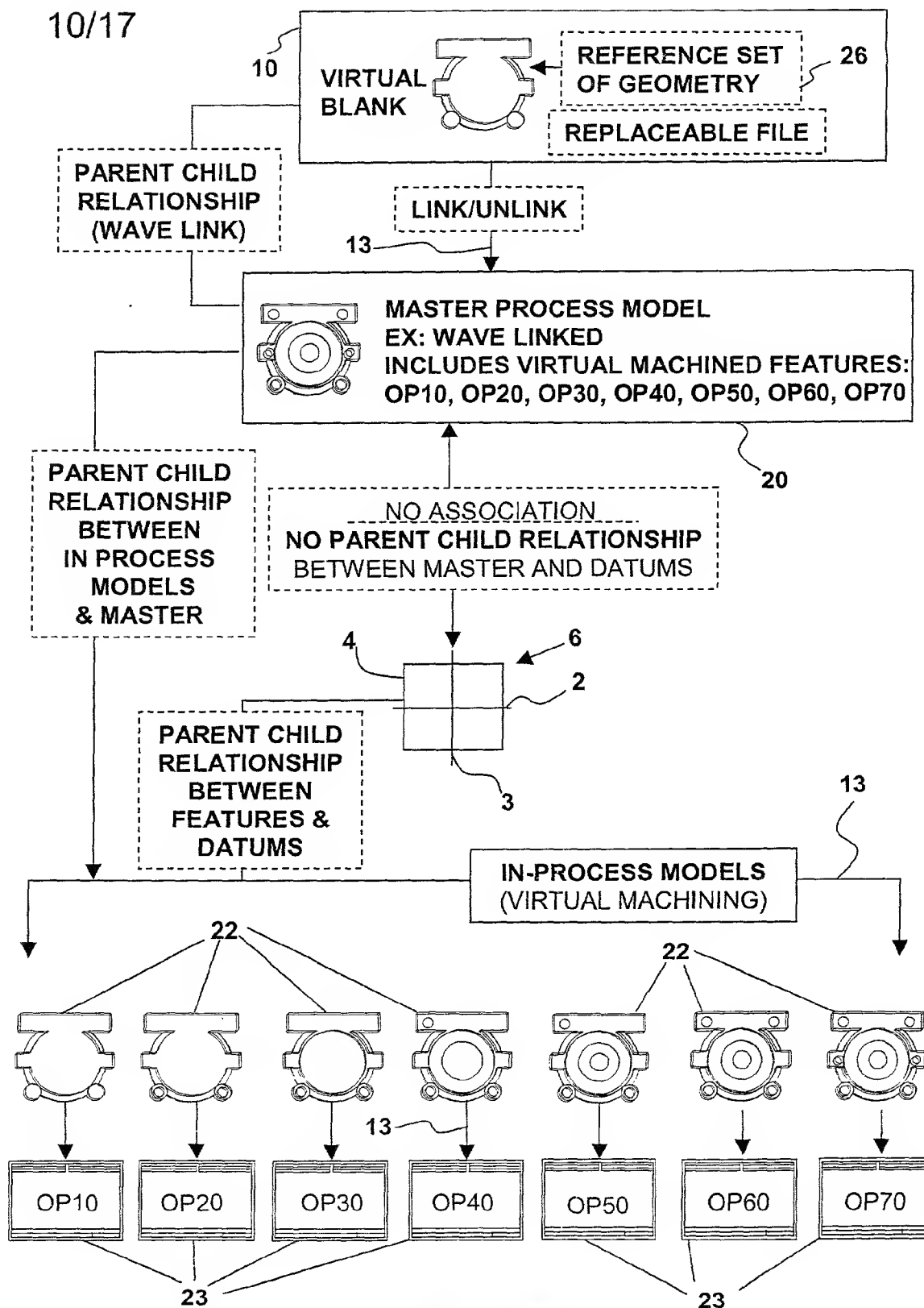


FIG. 10

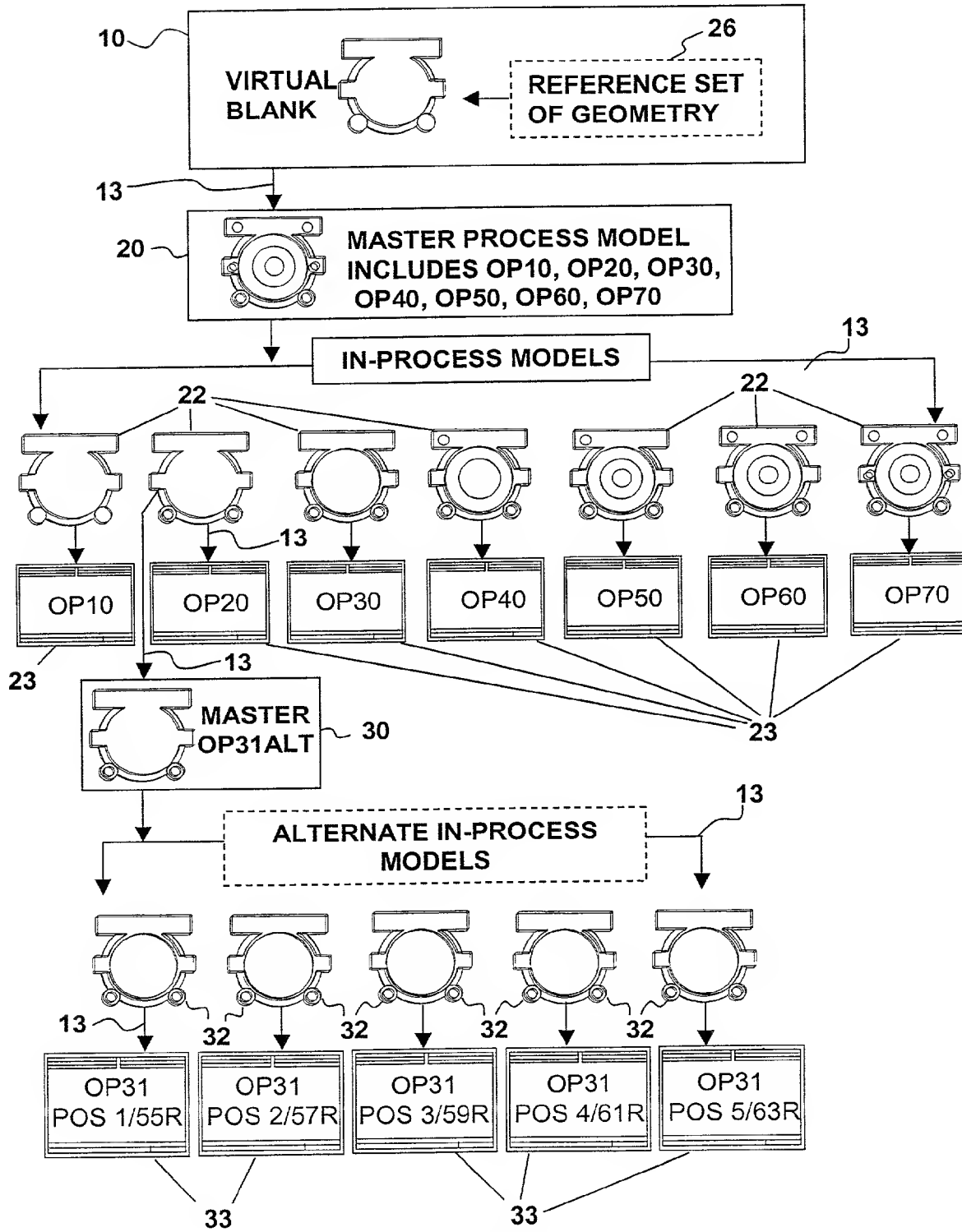


FIG. 11

FIG. 11

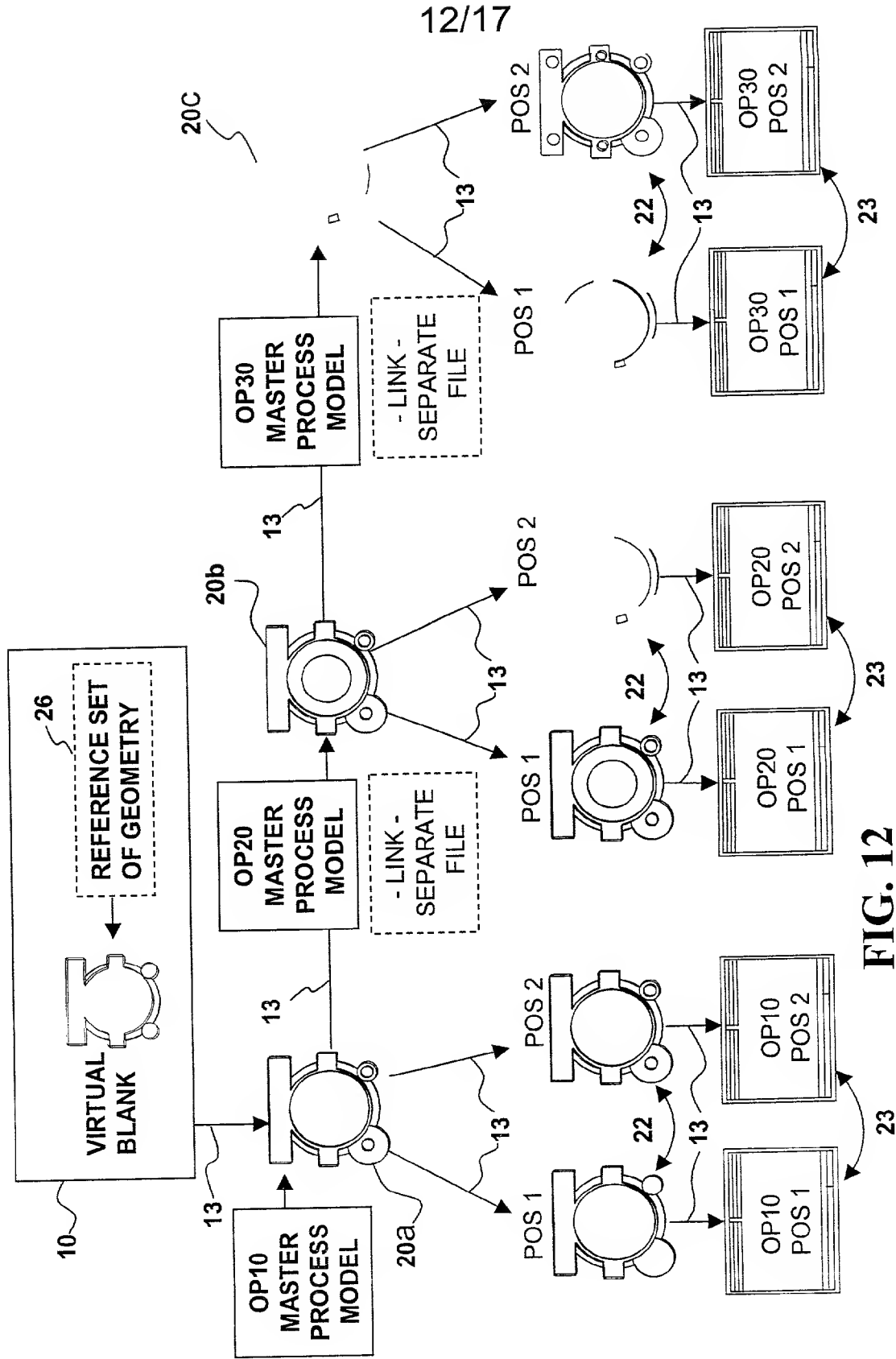


FIG. 12

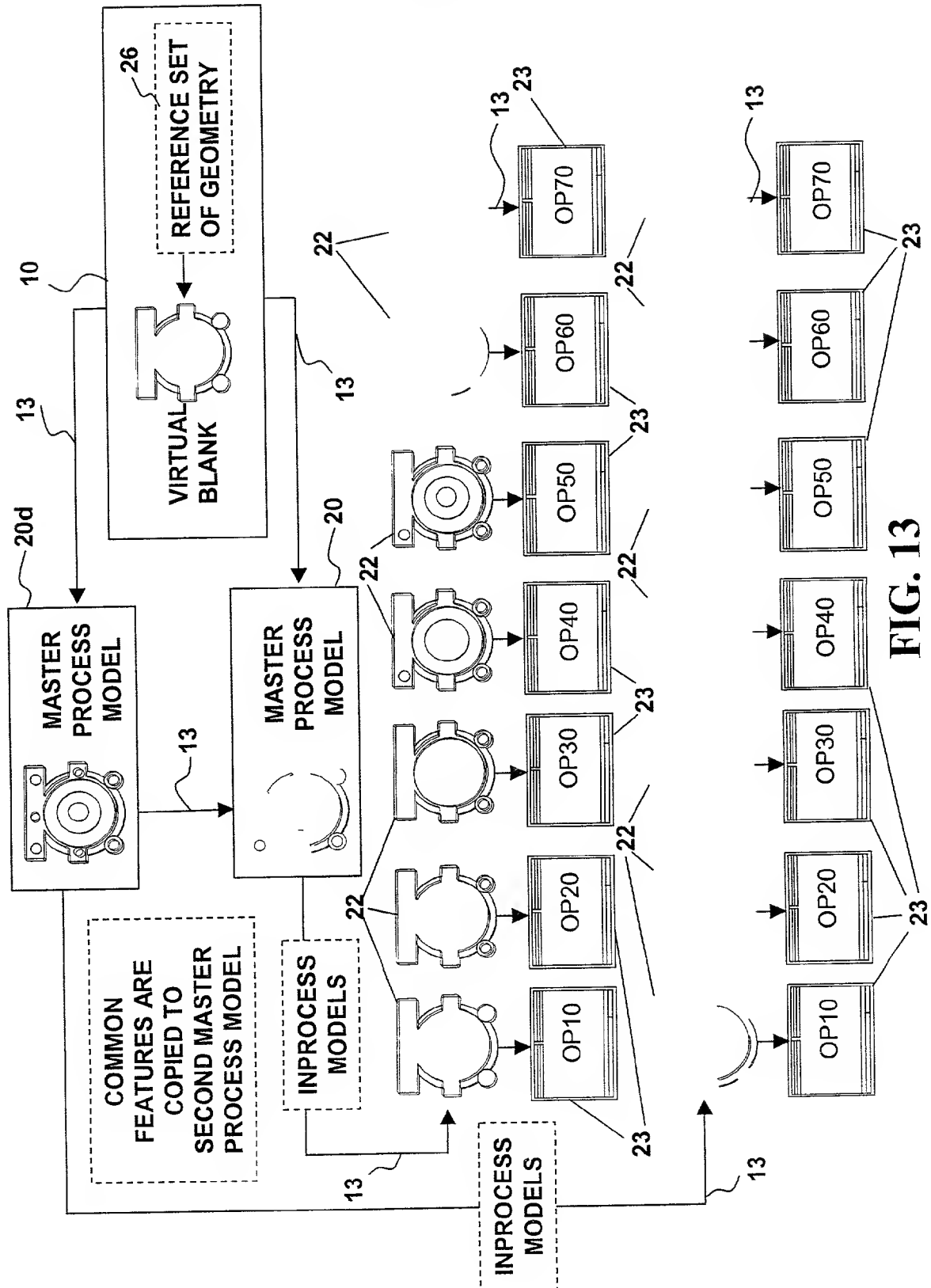


FIG. 13

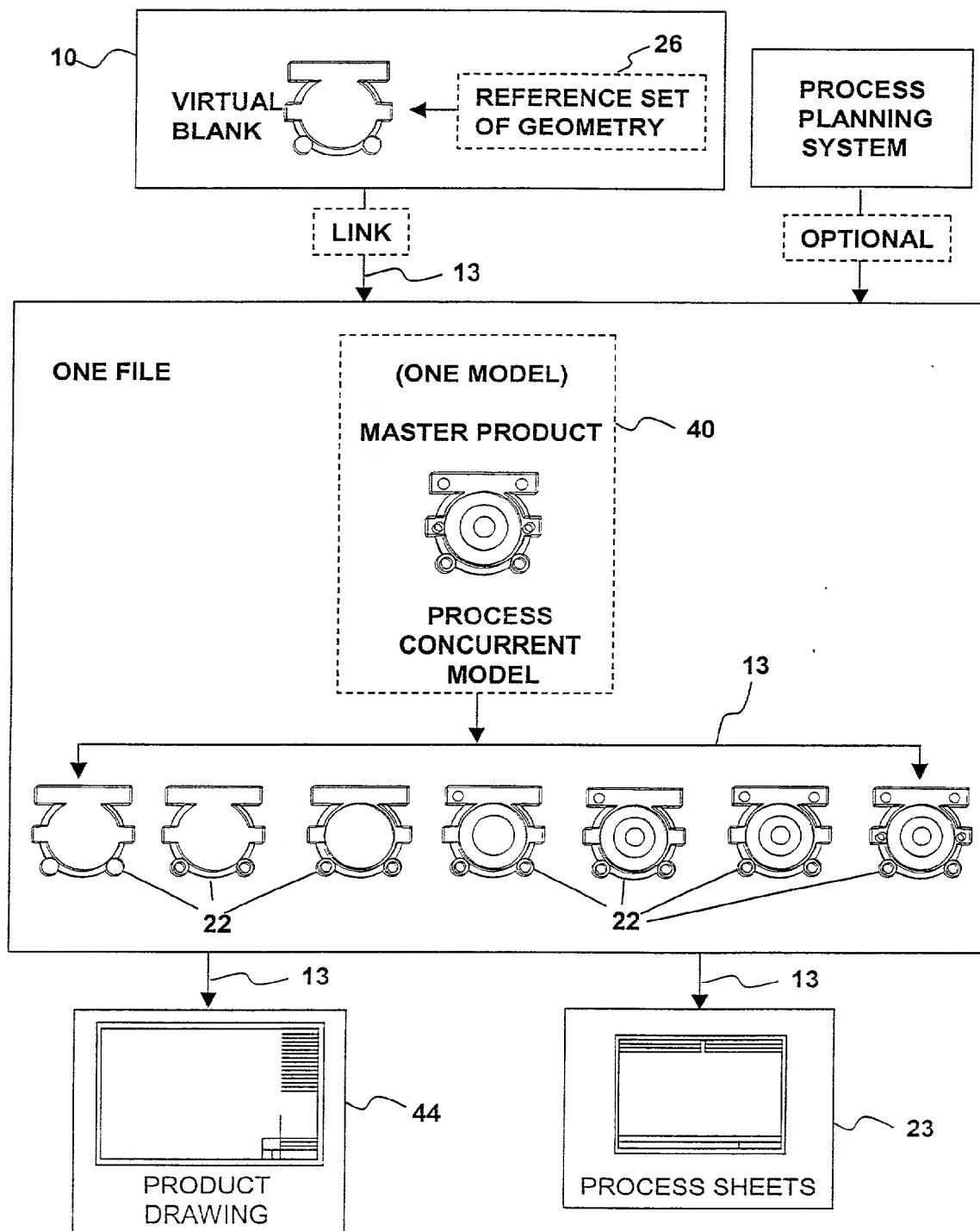


FIG. 14

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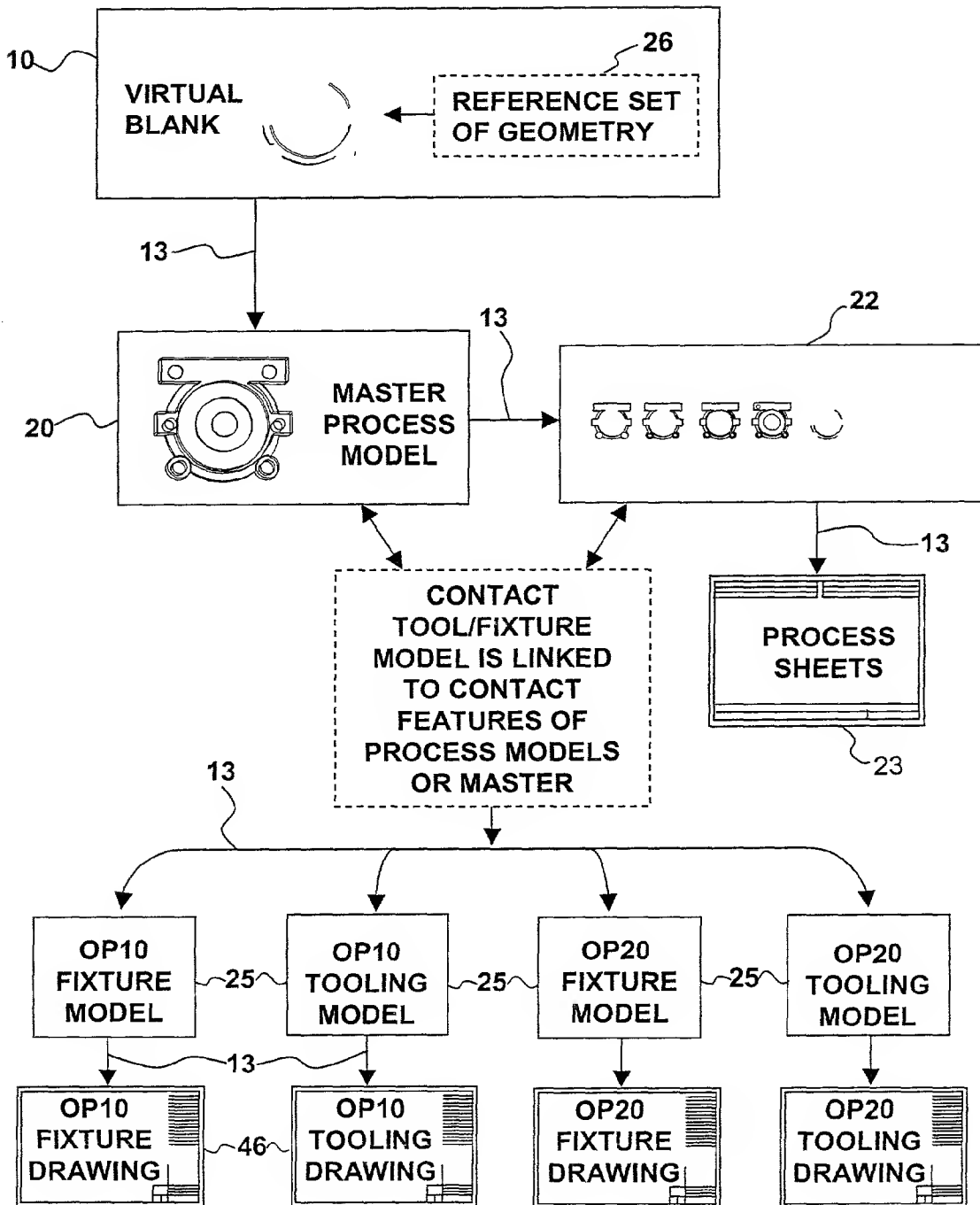


FIG. 15

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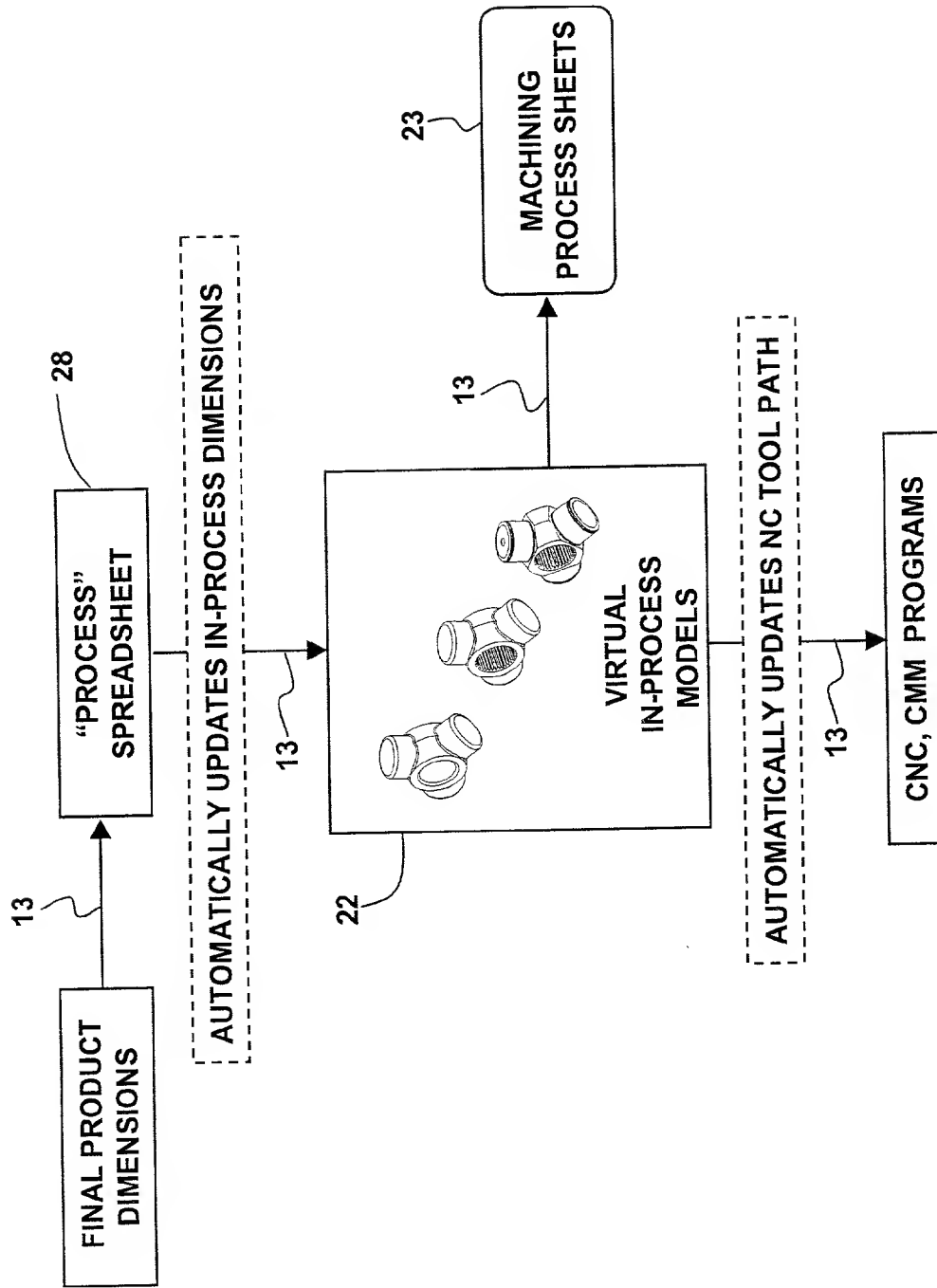


FIG. 16

FIG. 16

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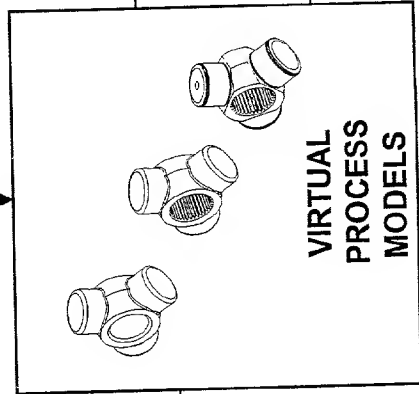
BLUE: FINAL PRODUCT DIMENSIONS			YELLOW HILITE: PROCESS RULE		
RED: CALCULATED IN-PROCESS DIMENSIONS BASED ON PROCESS RULES					
Operations	Part	Description	Parameters		
Operation 11/13/1 - Bore and Chamfer		Max Broached hole diameter after HT	max_broach_hole_dia	26.433	
		Min Broached hole diameter after HT	min_broach_hole_dia	26.353	
		Heat treat distortion	htd_broach	0.008	
		Max minor diameter of Broached hole before HT	max_minor_dia	26.493	
		Min minor diameter of Broached hole before HT	min_minor_dia	26.413	
		Minimum recommended stock removal(broach)	min_stk_rem	0.203	
		Maximum recommended stock removal (broach)	max_stk_rem	0.393	
		Maximum Bored hole diameter	max_hole_dia	26.21	
		Minimum Bored hole diameter	min_hole_dia	26.1	
		Average Bored hole diameter	avg_hole_dia	26.155	

FINAL PRODUCT DIMENSIONS

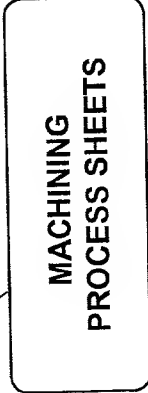
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AUTOMATICALLY UPDATES IN-PROCESS DIMENSIONS

13



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FIG. 17